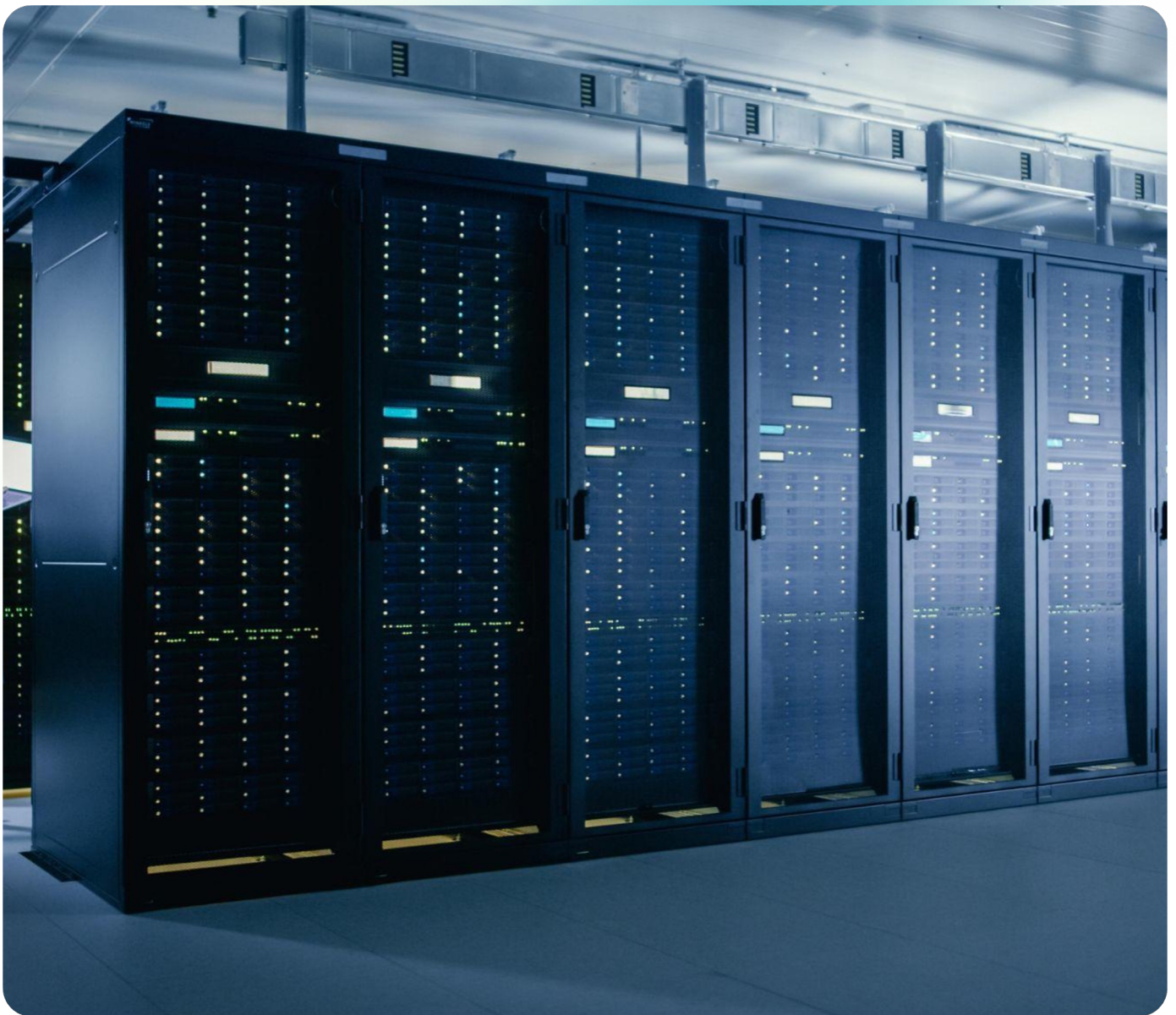


Data Centre Battery Solution

512nsp160 smart energy wonderful life



NESP Series- 512NESPSS IDC High Voltage Lithium Battery

Product Introduction:

The NESP series of high-voltage lithium battery systems for UPS have the advantages of high safety, high reliability, high convenience, long service life, small footprint, and simple operation and maintenance. Provide uninterrupted power and backup power for special applications such as Internet Data Centre, cloud facilities, hospitals, airports, and rail transit to ensure the continuous operation of electrical equipment.

Technology features:

High safety and reliability with international standards



Modular design and easy to install



Flexible configuration with parallel expansion



High discharge rate to deliver powerful performance



Smart management to support real time and remote control



Long life and deep cycling

Product Specification

Item		Cell	Module	Rack
Type no.		FE80B	51.2NESP160	512NESP160
Capacity	Ah	80	160	160
Energy	kWh	0.256	8.192	81.92
Nominal Volt	V	3.2	51.2	512
Minimum Volt	V	2.5	44.8	448
Maximum Volt	V	3.8	58.4	584
Dimension (W*D*H)	mm	130*36*240	400*602*264	1000*800*2000
Weight	kg	2.435	73.8	1218
Allowed C rate	C	1	1	1
Allowed Disch Rate	C	2	2	2
Operation Temp Range		-20 to 60°C	-20 to 55°C	-20 to 55°C
Recommended Operation Temp Range		0 to 60°C	0 to 55°C	0 to 55°C
Humidity %		0 to 40°C	0 to 40°C	0 to 40°C
Certifications		UL9540A, UL1973, UN38.3, Rosh, EN61000, IEC 62619		



Runtime	6 Modules	7 Modules	8 Modules	9 Modules	10 Modules
Backup time-30min					
Nominal Volt(V)	307.2	358.4	409.6	460.8	512.0
Minimum Volt(V)	268.8	313.6	358.4	403.2	448.0
Maximum Volt(V)	350.4	408.8	467.2	525.6	584.0
Power(kW)	97.8	114.1	130.4	146.7	163

One Rack to Ten Racks in Parallel

Runtime	1 Bank	2 Bank	3 Bank	4 Bank	5 Bank	6 Bank	7 Bank	8 Bank	9 Bank	10 Bank
Backup time - 30min										
Nominal Volt(V)	512.0	512.0	512.0	512.0	512.0	512.0	512.0	512.0	512.0	512.0
Minimum Volt(V)	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0
Maximum Volt(V)	584.0	584.0	584.0	584.0	584.0	584.0	584.0	584.0	584.0	584.0
Power(kW)	163	322.7	479.2	632.4	782.4	919.3	1050	1174	1320	1467

Certifications



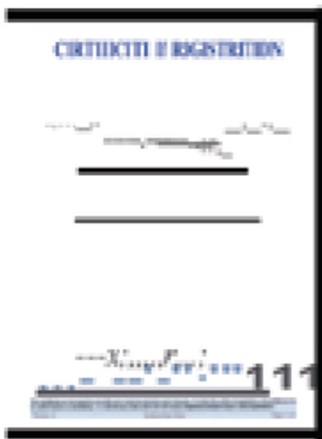
TL9000



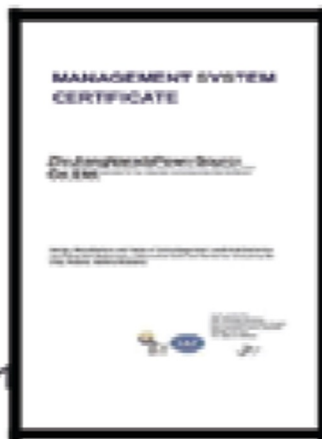
SA8000



ISO9001



IATF16949



ISO14001



ISO45001

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